

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 July 2004 (01.07.2004)

PCT

(10) International Publication Number
WO 2004/056091 A1

(51) International Patent Classification⁷: H04N 5/238,
G02B 23/12, 26/08

(72) Inventors; and

(75) Inventors/Applicants (for US only): DAVID, Ofer
[IL/IL]; 4 Vitkin Street, 34756 Haifa (IL). BOREN-
STEIN, Yehuda [IL/IL]; 36/1 Henrieta Szold Street,
34722 Haifa (IL).

(21) International Application Number:
PCT/IL2003/001079

(74) Agents: EITAN, PEARL, LATZER & CO-
HEN-ZEDEK et al.; 2 Gav Yam Center, 7 Shenkar
Street, 46725 Herzlia (IL).

(22) International Filing Date:
16 December 2003 (16.12.2003)

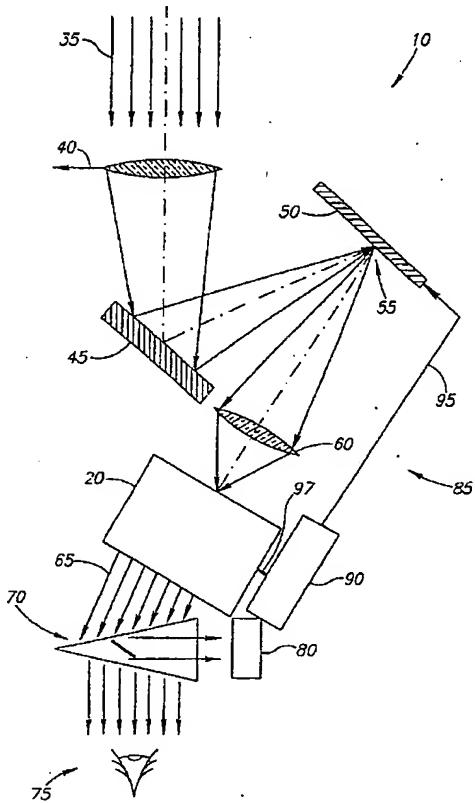
(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
153482 16 December 2002 (16.12.2002) IL

(84) Designated States (regional): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

{Continued on next page}

(54) Title: CONTROL OF AN IMAGE INTENSIFIER



(57) Abstract: The application discloses a system for handling light that is amenable for intensification by an Image Intensifier and a method for handling the same, wherein the system includes light regulating means for regulating light intensity of the transmissive MEMS (Micro Electro Mechanical System) type in order to prevent light rays emanating from intensely bright light areas from reaching the input plane of the image intensifier, or (instead of using said transmissive MEMS), the system implements light regulating means of the reflective MEMS type and while utilizing the reflective MEMS, the image intensifier is driven to operate in a gating mode, in order to time the light intensifying action of the intensifier to start upon the specific time slot that was essentially completed, of deflecting the light rays emanating from intensely bright light areas away from the input plane of said image intensifier.

WO 2004/056091 A1